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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"random number".clm. and generator.clm. and scrambl\$4.clm. and video.clm. and multiplex.clm. and watermark\$4.clm. and key.clm. and signal.clm. and encod\$3.clm. and input\$3.clm. and output\$3.clm. and descramble\$3.clm.	USPAT	OR	OFF	2006/02/24 15:12
L2	4	"random number" and generator and scrambl\$4 and video and multiplex and watermark\$4 and key and signal and encod\$3 and input\$3 and output\$3 and descramble\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:26
L3	571	380/210	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:17
L4	2882	380/219 or 380/37 or 713/176	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:20
L5	2351	287/53 or 283/13 or 382/276 or 705/75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:21
L6	5437	5 or 4 or 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:21
L7	1	6 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:22

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L8	107	koto.inv. and shinichiro	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:22
L9	4	"random number" and generator and scrambl\$4 and video and multiplex and watermark\$4 and key and signal and encod\$3 and descramble\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:26
L10	16	"random number" and generator and scrambl\$4 and video and multiplex\$3 and watermark\$4 and key\$3 and signal\$2 and encod\$3 and descramble\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 15:26



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1 [An intelligent video pattern generator for use in ophthalmology](#)



M. S. Obaidat, D. S. Abu-Saymeh

March 1993

Proceedings of the 1993 ACM/SIGAPP symposium on Applied computing: st

Publisher: ACM Press

Full text available: [pdf\(524.58 KB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

2 [Low power scalable encryption for wireless systems](#)

James Goodman, Anantha P. Chandrakasan

January 1998

Wireless Networks, Volume 4 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(7.39 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#).

Secure transmission of multimedia information (e.g., voice, video, data, etc.) is critical in many transmission imposes constraints not found in typical wired systems such as low power consumption and scalability. A variety of low power techniques have been developed to reduce the power of several applications by exploiting the variation in computation requirements to dynamically vary the power consumption.

3 [A reconfigurable hardware approach to network simulation](#)



Dimitrios Stiliadis, Anujan Varma

January 1997

ACM Transactions on Modeling and Computer Simulation (TOMACS), Volume 7

Publisher: ACM Press

Full text available: [pdf\(925.18 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#).

Keywords: ATM switch scheduling, field-programmable gate array, hardware simulation

4 [System architectures for computer music](#)



John W. Gordon

June 1985

ACM Computing Surveys (CSUR), Volume 17 Issue 2

Publisher: ACM Press

Full text available: [pdf\(4.61 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#).

Computer music is a relatively new field. While a large proportion of the public is aware of computer music, the field is still relatively new and the public is not fully aware of its potential.

be a need for a better understanding of its capabilities and limitations in terms of synthesis, per addresses that need by surveying and discussing the architecture of existing computer music sy what the system will be used for. Common uses for co ...

5 GPGPU: general purpose computation on graphics hardware

 David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, A: August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '0**


Publisher: ACM Press

Full text available:  pdf(63.03 MB)


Additional Information: [full citation](#), [abstract](#)

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely architectures provide tremendous memory bandwidth and computational horsepower, with fully that support vector operations up to full IEEE floating point precision. High level languages have computational power accessible. Architecturally, GPUs are highly parallel s ...

6 Dynamic bandwidth allocation in a network

 K. Maly, C. Overstreet, X. Qiu, D. Tang August 1988 **ACM SIGCOMM Computer Communication Review , Symposium proceeding protocols SIGCOMM '88**, Volume 18 Issue 4


Publisher: ACM Press

Full text available:  pdf(1.06 MB)

Additional Information: [full citation](#), [abstract](#), [references](#).

Recently protocols have been introduced which enable us to integrate periodic traffic (voice or v size of local area networks without any loss in speed and capacity. One of these, the DRAMA pr allows for dynamic allocation of bandwidth to clusters of nodes in the total network. In this pap bandwidth in a fair manner, where we have ...

7 On the effects of adaptive forward error correction mechanism in direct broadcast satellite

 Fatih Alagöz, David Walters, Amina Alrustamani, Branimir Vojcic, Raymond Pickholtz August 1999 **Proceedings of the 2nd ACM international workshop on Modeling, analysis systems**

Publisher: ACM Press


Full text available:  pdf(877.12 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

8 Traffic generation and analysis: Self-configuring network traffic generation

 Joel Sommers, Paul Barford October 2004 **Proceedings of the 4th ACM SIGCOMM conference on Internet measurement**

Publisher: ACM Press

Full text available:  pdf(1.22 MB)

Additional Information: [full citation](#), [abstract](#), [references](#).

The ability to generate repeatable, realistic network traffic is critical in both simulation and test date have been limited to either simple sequenced packet streams typically aimed at throughput on, for example, recreating representative HTTP requests. In this paper we describe Harpoon, a representative packet traffic at the <i>IP flow lev ...

Keywords: network flows, traffic generation

9 A decade of reconfigurable computing: a visionary retrospective

R. Hartenstein March 2001 **Proceedings of the conference on Design, automation and test in Europe**

Publisher: IEEE Press

Full text available:  pdf(768.00 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

10 Sequential thematic organization of publications: how to achieve coherence in proposals a



J. R. Tracey, D. E. Rugh, W. S. Starkey

August 1999 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 23 Issue 3

Publisher: ACM Press

Full text available: [pdf\(3.80 MB\)](#)

Additional Information: [full citation](#), [index terms](#)

11 Link-sharing and resource management models for packet networks

Sally Floyd, Van Jacobson

August 1995 **IEEE/ACM Transactions on Networking (TON)**, Volume 3 Issue 4

Publisher: IEEE Press

Full text available: [pdf\(2.51 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

12 Is service priority useful in networks?



Sandeep Bajaj, Lee Breslau, Scott Shenker

June 1998

ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 19 conference on Measurement and modeling of computer systems SIGMETR

Publisher: ACM Press

Full text available: [pdf\(1.44 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

A key question in the definition of new services for the Internet is whether to provide a single c differentiated by their delay characteristics. In that context we pose the question: is service pri some of our earlier work, to properly address this question one cannot just consider raw netwoi distribution. Rather, one must incorporate two new el ...

13 On the use of self-similar processes in network simulation



José C. López-Ardao, Cándido López-García, Andrés Suárez-González, Manuel Fernández-Veiga, R

April 2000

ACM Transactions on Modeling and Computer Simulation (TOMACS), Volum

Publisher: ACM Press

Full text available: [pdf\(1.31 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

Several recent traffic measurement studies have convincingly shown the presence of self-simila very important revolution in the stochastic modeling of traffic. Thus the use of self-similar proce in network performance analysis, mainly in simulation studies, where the efficient synthetic ger self-similar traffic is one of the main topics. In this art ...

Keywords: fractional ARIMA, long-range dependence, self-similar processes, synthetic generat

14 Multi-hour, multi-traffic class network design for virtual path-based dynamically reconfigura

D. Medhi

December 1995 **IEEE/ACM Transactions on Networking (TON)**, Volume 3 Issue 6

Publisher: IEEE Press

Full text available: [pdf\(1.12 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [i](#)

Keywords: duality and subgradient optimization, dynamic virtual path routing, multi-hour netw optimization model, wide-area ATM networks

15 QoS provisioning in wireless multimedia: A controlled-access scheduling mechanism for QoS in WLANs



Yaser Pourmohammadi Fallah, Hussein Alnuweiri

October 2005

Proceedings of the 1st ACM international workshop on Quality of service in Wireless LANs (Q2SWinet '05)

Publisher: ACM Press

Full text available: pdf(274.24 KB)

Additional Information: [full citation](#), [abstract](#), [references](#).

Wireless Local Area Networks (WLAN) are being deployed at a rapid pace and in different environments. A diverse range of applications over wireless access networks is becoming increasingly important. Video and Voice, have specific delay and bandwidth requirements that cannot be fulfilled by the current standards. In this issue, new enhancements are being introduced to the Medium Access Control (MAC) layer.

Keywords: 802.11e, QoS, WFQ, multimedia over WLAN, virtual packet scheduling, wireless LAN

16 Risks to the public in computer systems



Peter G. Neumann

October 1986

ACM SIGSOFT Software Engineering Notes, Volume 11 Issue 5

Publisher: ACM Press

Full text available: pdf(2.19 MB)

Additional Information: [full citation](#), [index terms](#).

17 The Personal Presence System—hardware architecture



M. Lukacs

October 1994

Proceedings of the second ACM international conference on Multimedia

Publisher: ACM Press

Full text available: pdf(957.84 KB)

Additional Information: [full citation](#), [abstract](#), [references](#).

The Personal Presence System (PPS) experimental prototype is being designed to support multi-media applications. This paper is a companion to another paper in this proceedings. The Personal Presence System (PPS) experimental prototype is being designed to support multi-media applications. This paper is a companion to another paper in this proceedings. The Personal Presence System (PPS) experimental prototype is being designed to support multi-media applications. This paper is a companion to another paper in this proceedings.

18 Efficient frequency domain video scrambling for content access control



Wenjun Zeng, Shawmin Lei

October 1999

Proceedings of the seventh ACM international conference on Multimedia (Multimedia '99)

Publisher: ACM Press

Full text available: pdf(1.65 MB)

Additional Information: [full citation](#), [abstract](#), [references](#).

Multimedia data security is very important for multimedia commerce on the Internet such as video-on-demand. Traditional cryptographic algorithms for data security are often not fast enough to process the multimedia data. This paper presents a joint encryption and scrambling algorithm. This paper presents a joint encryption and scrambling algorithm. This paper presents a joint encryption and scrambling algorithm.

Keywords: compression, content access control, multimedia commerce, multimedia encryption, scrambling

19 A fast MPEG video encryption algorithm



Changgui Shi, Bharat Bhargava

September 1998

Proceedings of the sixth ACM international conference on Multimedia

Publisher: ACM Press

Full text available: pdf(805.58 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#).

Keywords: DES, MPEG codec, MPEG video encryption, multimedia data security

20 Spoken-word direction of computer program synthesis



Alvin J. Surkan

June 2000

ACM SIGAPL APL Quote Quad , Proceedings of the international conference

Volume 30 Issue 4

Publisher: ACM Press

Full text available: [pdf \(703.39 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#).

Prototype software is being designed to orchestrate speech-directed synthesis of customizable word dialogs between humans and computers. The computer is to assist in constructing program contact between mobile users and computer hardware. During synthesis, the ...

Keywords: chatting in context, computer program synthesis, constructive composition of functional incremental verbal software specification, spoken computer commands, talking with computers.

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* Key

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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- ☐ 1. **Network applications of cascaded passive code translation for WDM-corr spectrally phase-encoded optical CDMA**
 Menendez, R.C.; Toliver, P.; Galli, S.; Agarwal, A.; Banwell, T.; Jackel, J.; You, S.;
[Lightwave Technology, Journal of](#)
 Volume 23, Issue 10, Oct. 2005 Page(s):3219 - 3231
 Digital Object Identifier 10.1109/JLT.2005.856285
[AbstractPlus](#) | Full Text: [PDF](#)(872 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 2. **Scrambling and controlling access to an all-digital broadcast programme**
 Angebaud, D.; Giachetti, J.L.;
[Broadcasting Convention, 1992. IBC., International](#)
 3-7 Jul 1992 Page(s):224 - 228
[AbstractPlus](#) | Full Text: [PDF](#)(308 KB) IEE CNF
- ☐ 3. **Influence of coding and hardware imperfections on the bit error structure QAM systems**
 Bessai, H.J.; Lorek, W.;
[Communications, IEEE Transactions on](#)
 Volume 37, Issue 6, June 1989 Page(s):626 - 634
 Digital Object Identifier 10.1109/26.31147
[AbstractPlus](#) | Full Text: [PDF](#)(660 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 4. **The D-MAC transmission system for satellite broadcasting in the United I**
 Windram, M.D.; Tonge, G.J.;
[Electronics & Communication Engineering Journal](#)
 Volume 2, Issue 1, Feb. 1990 Page(s):11 - 16
[AbstractPlus](#) | Full Text: [PDF](#)(744 KB) IEE JNL

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IEEE JNL IEEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEEE Conference Proceeding

IEEE STD IEEE Standard

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- ☐ 1. **Secure communication between set-top box and smart card in DTV broac**
 Tianpu Jiang; Yongmin Hou; Shibao Zheng;
Consumer Electronics, IEEE Transactions on
 Volume 50, Issue 3, Aug. 2004 Page(s):882 - 886
 Digital Object Identifier 10.1109/TCE.2004.1341695
[AbstractPlus](#) | Full Text: [PDF\(404 KB\)](#) IEEE JNL
[Rights and Permissions](#)
- ☐ 2. **A novel bitmap analysis technique - test sensitivity intensity bitmap**
 Chan Huan Gim;
Physical and Failure Analysis of Integrated Circuits, 2002. IPFA 2002. Procees
International Symposium on the
 8-12 July 2002 Page(s):105 - 109
 Digital Object Identifier 10.1109/IPFA.2002.1025626
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